Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket N . 06816/017003	Application No.	
Inf rmation Disclosure Statement by Applicant		Applicant Eric R. Fossum, et al.		
(Use several sho (37 CFR §1.98(b))	eets if n cessary)	Filing Date June 27, 2000	Group Art Unit	

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•	АНН	K. Chen, et al., "PASIC: A Processor-A/D converter-Sensor Integrated Circuit," IEEE ISCAS, pp. 1705-1708 (1990)
	AII	O. Yadid-Pecht, et al., "A Random Access Photodiode Array for Intelligent Image Capture," IEEE Trans. on Electron Devices, Vol. 38, No. 8, pp. 1772-1780 (August 1991)
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	ALL	C. Jansson, et al., "An Addressable 256 x 256 Photodiode Image Sensor Array with an 8-Bit Digital Output," Analog Integrated Circuits and Signal Processing, Vol. 4, pp. 37-49 (1993)
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	A00	M. Sugawara, et al., "An Amplified MOS Imager Suited for Image Processing," 1994 IEEE International Solid-State Circuits Conference, Digest of Technical Papers, Session 13, Neural Networks and Image Sensors/ Paper TP 13.6, pp. 228-229 (1994)
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	AUU	I. Muirhead, "Developments in CMOS Camera Technology," published by: IEE, Savoy Place, London WC2R 0BL, UK, pp. 5/1-5/4 (1994)
	AVV	I. Takayanagi, et al., "A Multiple Output CMD Imager for Real-Time Image Processing," IEEE, IEDM, pp. 22.5.1-22.5.4 (1993)
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	AAAA	E. Fossum, et al., "Application of the active pixel sensor concept to guidance and navigation," SPIE, Vol. 1949, Space Guidance, Control and Tracking, paper 30, pp. 1-8 (1993)
	ABBB	E. Fossum, "Assessment of Image Sensor Technology for Future NASA Missions," Proceedings of the SPIE, Vol. 2172, Charge-Coupled Devices and Solid-State Optical Sensors IV, pp. 1-16 (1994)
	ACCC	T. Kuriyama, et al., "A 1/3-in 270 000 Pixel CCD Image Sensor," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 949-953 (May 1991)
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	AIII	E. Stevens, et al., "A 1-Megapixel, Progressive-Scan Image Sensor with Antiblooming Control and Lag-Free Operation," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 981-988 (May 1991)
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		Applicant Eric R. Fossum, et al.	
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	AKKK	Modulation Device (CMD) Image Sensor," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38. No. 5, pp. 999-1004 (May 1991)
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	AMMM	Hynecek, "BCMD - An Improved Photosite Structure for High-Density Image Sensors," IEEE Transactions on Electron Devices, Vol., 38(5), pp. 1011-1020 (May 1991)
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	A000	Y. Nakamura, et al., "Design of Bipolar Imaging Device (BASIS)," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1028-1036 (May 1991)
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	AQQQ	Y. Matsunaga, et al., "A High-Sensitivity MOS Photo-Transistor for Area Image Sensor," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1044-1047 (May 1991)
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	ATTT	J. Bosiers, et al., "A 2/3-in 1187(H) x 581(V) S-VHS-Compatible Frame-Transfer CCD for ESP and Movie Mode," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1059-1068 (May 1991)
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	AWWW	T. Kaneko, et al., "400 dpi Integrated Contact Type Linear Image Sensors with Poly-Si TFT's Analog Readout Circuits and Dynamic Shift Registers," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1086-1093 (May 1991)
	AXXX	C. K. Chen, et al., "Ultraviolet, Visible, and Infrared Response of PtSi Schottky-Barrier Detectors Operated in the Front-Illuminated Mode," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1094-1103 (May 1991)
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		Applicant Eric R. Fossum, et al.		
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	ААААА	C. G. Bethea, et al., "10-µm GaAs / AlGaAs Multiquantum Well Scanned Array Infrared Imaging Camera," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1118-1123 (May 1991)				
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	AEEEE	T-L Lin, et al., "SiGe / Si Heterojunction Internal Photoemission Long-Wavelength Infrared Detectors Fabricated by Molecular Beam Epitaxy," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors." Vol. 38, No. 5, pp. 1141-1144 (May 1991)				
	AFFFF	M. Okuyama, et al., "Room-Temperature-Operated Infrared Image CCD Sensor Using Pyroelectric Gate Coupled by Dielectric Connector," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1145-1151 (May 1991)				
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	AKKKK	J.G.C. Bakker, et al, "The Tacking CCD: A New CCD Concept," IEEE Transaction on Electron Devices, Special Issue on Solid State Image Sensors," Vol. 38, No. 5, pp. 1193-1200 (May 1991)				
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	APPPP	P. Noble, "Self-Scanned Silicon Image Detector Arrays," IEEE Trans. on Electron Devices, Vol. ED-15, No. 4, pp. 202-209 (April 1968)				
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			U.S. Pate	nt Documents			
Examiner Initjal	Desig. ID	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date If Appropriate
PO	AA	5,345,266	Sep. 6, 1994	Denyer			
	AB	5,153,421	Oct. 6, 1992	Tandon et al.			
	AC	5,631,704	May 20, 1997	Dickinson et al.			1
	AD	5,198,654	Mar. 30, 1993	Mukainakano et al.			
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17	AF	5,495,337	Feb. 27, 1996	Goshorn et al.			
1 /	AG	5,585,620	Dec. 17, 1996	Nakamura et al.			
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	AQ	Wang, G., et al. "EMOS Video Camera," University of Edinburgh, IEEE, pages 100-132, (March
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	1	AK	5	1	9	8	8	8	0	3/1993	Taguchi, et al.		257	370		
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION																
DOCUMENT NUMBER PUBLICATION DATE							PUBLICATION DATE		COUNTRY OR	CLASS	SUBCLASS	TRANSLATION				
12	<u>′.                                    </u>		_								PATENT OFFICE				YES	NO
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EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DATE CONSIDERED

EXAMINER

Substitute Disclosure Form (PTO-1449)

Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office					
	closure Statement	Applicant Eric R. Fossum et al.				
(Use several s	heets if necessary)	Filing Date	Group Art Unit			
(37 CFR 61 98(b))		-				

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date  If Appropriate
P	AA	4,407,010	09/1983	Baji et al.			
	AB	5,345,266	09/1994	Denyer			
	AC	5,563,429	10/1996	Isagai			
	AD						
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	AK						

	Foreign Patent Documents or Published Foreign Patent Applications								
Examiner	Desig.	Document	Publication	Country or	T	Subclass	Trans	Translation	
Initial	ID	Number	Date	Patent Office	Class		Yes	No	
	AL								
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	Other Documents (include Author, Title, Date, and Place of Publication)							
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Examiner Signature (//	Date Considered _ / /
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